

<110> Goold, Richard D.
 Akerblom, Ingrid E.
 Seilhamer, Jeffrey J.
 Coleman, Roger

<120> TUMOR SUPPRESSOR

<130> PC-0049 CIP

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<141> Herewith

<160> 21

<170> PERL Program

<210> 1

<211> 373

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: PANC1A

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<221> unsure

<222> 20, 303, 340-341

<223> a, t, c, g, or other

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<213> Homo sapiens

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<221> unsure

<222> 16, 277, 288, 309

<223> a, t, c, g, or other

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<211> 5035

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 496071CB1

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<211> 583

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 496071CD1

<400> 4

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 Glu Ser Tyr Val Phe His Asn His Ser Asn Ala Asp Phe His Arg
 35 40 45
 Ile Gln Glu Lys Thr Gly Asn Asp Trp Val Pro Val Thr Ile Ile
 50 55 60
 Asp Val Arg Gly His Ser Tyr Leu Gln Glu Asn Lys Ile Lys Thr
 65 70 75
 Thr Asp Leu His Arg Pro Leu His Asp Glu Met Pro Gly Asn Arg

	80		85		90
Pro Asp Val Ile	Glu Ser Ile Asp Ser	Gln Val Leu Gln Glu Ala			
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Arg Pro Pro Leu	Val Ser Ala Asp Asp	Glu Ile Tyr Ser Thr Ser			
	110		115		120
Lys Ala Phe Ile	Gly Pro Ile Tyr Lys	Pro Pro Glu Lys Lys Lys			
	125		130		135
Arg Asn Glu Gly	Arg Asn Glu Ala His	Val Leu Asn Gly Ile Asn			
	140		145		150
Asp Arg Gly Gly	Gln Lys Glu Lys Gln	Lys Phe Asn Ser Glu Lys			
	155		160		165
Ser Glu Ile Asp	Asn Glu Leu Phe Gln	Phe Tyr Lys Glu Ile Glu			
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Glu Leu Glu Lys	Glu Lys Asp Gly Phe	Glu Asn Ser Cys Lys Glu			
	185		190		195
Ser Glu Pro Ser	Gln Glu Gln Phe Val	Pro Phe Tyr Glu Gly His			
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Asn Asn Gly Leu	Leu Lys Pro Asp Glu	Glu Lys Lys Asp Leu Ser			
	215		220		225
Asn Lys Ala Met	Pro Ser His Cys Asp	Tyr Gln Gln Asn Leu Gly			
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Asn Glu Pro Asp	Lys Tyr Pro Cys Asn	Gly Gln Val Ile Pro Thr			
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Phe Cys Asp Thr	Ser Phe Thr Ser Phe	Arg Pro Glu Trp Gln Ser			
	260		265		270
Val Tyr Pro Phe	Ile Val Pro Tyr Gly	Pro Pro Leu Pro Ser Leu			
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Asn Tyr His Leu	Asn Ile Gln Arg Phe	Ser Gly Pro Pro Asn Pro			
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Pro Ser Asn Ile	Phe Gln Ala Gln Asp	Asp Ser Gln Ile Gln Asn			
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Gly Tyr Tyr Val	Asn Asn Cys His Val	Asn Trp Asn Cys Met Thr			
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Phe Asp Gln Asn	Asn Glu Tyr Thr Asp	Cys Ser Glu Asn Arg Ser			
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Ser Val His Pro	Ser Gly Asn Gly Cys	Ser Met Gln Asp Arg Tyr			
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Val Ser Asn Gly	Phe Cys Glu Val Arg	Glu Arg Cys Trp Lys Asp			
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His Cys Met Asp	Lys His Asn Gly Thr	Asp Arg Phe Val Asn Gln			
	380		385		390
Gln Phe Gln Glu	Glu Lys Leu Asn Lys	Leu Gln Lys Leu Leu Ile			
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Leu Leu Arg Gly	Leu Pro Gly Ser Gly	Lys Thr Thr Leu Ser Arg			
	410		415		420
Ile Leu Leu Gly	Gln Asn Arg Asp Gly	Ile Val Phe Ser Thr Asp			
	425		430		435
Asp Tyr Phe His	His Gln Asp Gly Tyr	Arg Tyr Asn Val Asn Gln			
	440		445		450
Leu Gly Asp Ala	His Asp Trp Asn Gln	Asn Arg Ala Lys Gln Ala			
	455		460		465
Ile Asp Gln Gly	Arg Ser Pro Val Ile	Ile Asp Asn Thr Asn Ile			
	470		475		480
Gln Ala Trp Glu	Met Lys Pro Tyr Val	Glu Val Ala Ile Gly Lys			
	485		490		495
Gly Tyr Arg Val	Glu Phe His Glu Pro	Glu Thr Trp Trp Lys Phe			
	500		505		510
Asp Pro Glu Glu	Leu Glu Lys Arg Asn	Lys His Gly Val Ser Arg			
	515		520		525

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Lys Lys Ile Ala Gln Met Leu Asp Arg Tyr Glu Tyr Gln Met Ser
530 535 540
Ile Ser Ile Val Met Asn Ser Val Glu Pro Ser His Lys Ser Thr
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Gln Arg Pro Pro Pro Pro Gln Gly Arg Gln Arg Trp Gly Gly Ser
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Leu Gly Ser His Asn Arg Val Cys Val Thr Asn Asn His
575 580

<210> 5
<211> 359
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 071178.assembled

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<222> 20, 303, 340-341
<223> a, t, c, g, or other

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gaaattraag gtaaattctt gggacctaga gaagaagtaa cgagtgaacc acgctgtaaa 240
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<210> 6
<211> 213
<212> DNA
<213> Homo sapiens

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<220>
<221> unsure
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<223> a, t, c, g, or other

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gggacctaga gaagaagtaa cgagtgaacc acg 213

<210> 7
<211> 338
<212> DNA
<213> Homo sapiens

<220>
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<220>

<221> unsure

<222> 61, 200, 282, 319-320

<223> a, t, c, g, or other

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<210> 8

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 555403

<220>

<221> unsure

<222> 16, 124-125, 173, 216, 244

<223> a, t, c, g, or other

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aaantggaaa tg 252

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<210> 9

<211> 271

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 020384

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<221> unsure

<222> 7, 227, 238, 259

<223> a, t, c, g, or other

<400> 9

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ttgaagtcaa ccacagagtc gtatgttttt cacaatcata gtaatgctga ttttcacagt 180
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<210> 10

<211> 132

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: g533948

<400> 10

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Lys Arg Arg Phe Tyr Trp Glu Val Lys Val Asn Ala Gly Ser Lys
              35              40              45
Met Ser Tyr Gly Glu Ile Glu Gly Lys Phe Leu Gly Pro Arg Glu
              50              55              60
Glu His Asn His Ser Asn Ala Asp Phe His Arg Ile Gln Glu Lys
              65              70              75
Thr Gly Asn Asp Trp Val Pro Val Thr Ile Ile Asp Val Arg Gly
              80              85              90
His Ser Tyr Leu Gln Glu Asn Lys Ile Lys Thr Thr Asp Leu His
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Arg Pro Leu His Asp Glu Met Pro Gly Asn Arg Pro Asp Val Ile
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Glu Ser Ile Asp Ser Gln Val Leu Gln Glu Ala Arg
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<210> 11

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: g533948

<400> 11

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<210> 12

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: PANC 1B

<220>

<221> unsure

<222> 5, 44, 75, 101

<223> unknown or other

<400> 12

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Met	Ser	Tyr	Gly	Glu	Ile	Glu	Gly	Lys	Phe	Leu	Gly	Pro	Xaa	Glu
				35					40					45
Glu	Val	Thr	Ser	Glu	Pro	Arg	Cys	Lys	Lys	Leu	Lys	Ser	Thr	Thr
				50					55					60
Glu	Ser	Tyr	Val	Phe	His	Asn	His	Ser	Asn	Ala	Asp	Phe	His	Xaa
				65					70					75
Ile	Gln	Glu	Lys	Thr	Gly	Asn	Asp	Trp	Val	Pro	Val	Thr	Ile	Ile
				80					85					90
Asp	Val	Arg	Gly	His	Ser	Val	Leu	Gln	Glu	Xaa	Lys	Ile	Lys	
				95					100					

<210> 13

<211> 598

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<223> Incyte ID No: 702456952T1

<400> 13

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tcatcagtgc tgaacacgat gccatcacga ctctgaccaa gcagaattcg agacatgt 598

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<210> 14

<211> 549

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<223> Incyte ID No: 700293754F6

<400> 14

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<210> 15

<211> 487

<212> DNA

<213> Macaca fascicularis

Variable	Mean	SD	Min	Max
Age	34.5	10.2	22	55
Gender	Male	Female		
Marital Status	Married	Single		
Education	High School	College		
Occupation	Manager	Worker		
Income	\$20,000	\$30,000		
Health Status	Good	Fair		
Stress Level	Low	High		
Life Satisfaction	High	Low		
Resilience	High	Low		
Optimism	High	Low		
Gratitude	High	Low		
Forgiveness	High	Low		
Empathy	High	Low		
Compassion	High	Low		
Kindness	High	Low		
Generosity	High	Low		
Patience	High	Low		
Self-control	High	Low		
Emotional Stability	High	Low		
Psychological Well-being	High	Low		
Life Satisfaction	High	Low		
Resilience	High	Low		
Optimism	High	Low		
Gratitude	High	Low		
Forgiveness	High	Low		
Empathy	High	Low		
Compassion	High	Low		
Kindness	High	Low		
Generosity	High	Low		
Patience	High	Low		
Self-control	High	Low		
Emotional Stability	High	Low		
Psychological Well-being	High	Low		

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<213> Macaca fascicularis

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<213> Macaca fascicularis

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<213> Canis familiaris

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<220>
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<220>
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<210> 21

PC-0049 CIP

<211> 254

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<213> Mus muscularis

<220>

<221> misc_feature

<223> Incyte ID No: 700120347H1

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